## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
60152-1021	ACTION	, , application, o bolow.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 03/38301	03/12/2003	19/03/2003
Applicant		
FABRISTEEL PRODUCTS, INC.		
This International Search Report has bee according to Article 18. A copy is being to	n prepared by this International Searching Au ansmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
	a copy of each prior art document cited in th	is report.
Basis of the report  A Math record to the learnings the	international search was carried out on the b	asis of the international application in the
language in which it was filed, un	less otherwise indicated under this item.	asis of the international approximent in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation o	f the international application furnished to this
b. With regard to any nucleotide ar	nd/or amino acid sequence disclosed in the	international application, the international search
was carried out on the basis of the	ie sequence listing : onal application in written form.	
<b> </b>	ernational application in computer readable for	orm.
	o this Authority in written form.	
	o this Authority in computer readble form.	
the statement that the su international application is	bsequently furnished written sequence listing as filed has been furnished.	does not go beyond the disclosure in the
the statement that the inf furnished	formation recorded in computer readable form	n is identical to the written sequence listing has been
2. Certain claims were for	und unsearchable (See Box I).	
3. Unity of invention is la	cking (see Box II).	
4. With regard to the title,		
X the text is approved as s	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as s	submitted by the applicant.	seith, as it appears in Pay III. The continent may
the text has been estable within one month from the	ished, according to Rule 38.2(b), by this Auth ne date of mailing of this international search	ority as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the <b>drawings</b> to be pu	blished with the abstract is Figure No.	5 <u>A</u> , <u>5</u>
as suggested by the app		None of the figures.
X because the applicant fa		
because this figure bette	er characterizes the invention.	

International application No.

#### INTERNATIONAL SEARCH REPORT

PCT/US 03/38301

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A self-diagnosing pierce nut installation apparatus including an installation head (20) attached to an upper die member of a die press having a reciprocating plunger (28) driving a pierce nut (64) against a panel (P), piercing a slug from the panel upon closing of the press and a rod (86) telescopically received in the plunger (28) resiliently biased through the nut bore if a slug is pierced from the panel (P) or against the panel if not pierced, and a sensor sensing axial movement of the rod (86) stopping the press if the rod (86) engages the panel (P). A die located in the lower die member includes a slug sensor (152) confirming receipt of the panel slug (S) through the die member (22).

2004-02-13

## INT 3 ... TIONAL SEARCH REPORT

rtemational Application No PCT/US 03/38301

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B23P19/06 F16B37/06

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7-B23P-F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C-1	Charlies of decoursed with indication when the state of t	5-1
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) -& JP 09 024427 A (DAIWA KOGYO KK), 28 January 1997 (1997-01-28) abstract; figures	1-27
A	US 4 785 529 A (BARKOCY JOHN L ET AL) 22 November 1988 (1988-11-22) column 3, line 9 -column 10, line 58; figures	1-27
А	US 3 108 368 A (STEWARD JERRY H) 29 October 1963 (1963-10-29) cited in the application the whole document	1-27

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search  5 April 2004	Date of mailing of the international search report  14/04/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,  Fax: (+31-70) 340-3016	Authorized officer Plastinas, D

## INT 'N...IONAL SEARCH REPORT

ternational Application No
PCT/US 03/38301

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
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	US 5 533 250 A (LADOUCEUR HAROLD A) 9 July 1996 (1996-07-09) column 8, line 1 - line 40; claims; figures column 4, line 16 - line 57	1-27		
ľ	US 3 766 628 A (GRUBE W) 23 October 1973 (1973-10-23) abstract; figures	1-27		
1	US 6 257 814 B1 (MUELLER RUDOLF R M) 10 July 2001 (2001-07-10) column 7, line 23 - line 26; figures	1-27		

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